

The logo for CITRENZ 2011 is displayed on a dark blue rectangular background. The word "CITRENZ" is written in a white, bold, sans-serif font. To the right of "CITRENZ", the year "2011" is written in a smaller, white, sans-serif font, positioned above a small blue square.

CITRENZ 2011

**Proceedings of the 2nd
Annual Conference of
Computing and Information
Technology Education and
Research in New Zealand**

**Incorporating the 24th Annual
Conference of the National
Advisory Committee on Computing
Qualifications**

Rotorua New Zealand

5th-8th July 2011

Dr Samuel Mann

Dr Michael Verhaart

The logo for CITRENZ is a dark blue square with the text "CITRENZ" in white, followed by a small blue square containing the letters "EDU" in white.

Computing and Information Technology Research and Education New Zealand (CITRENZ) was formed as an organisation in 2010 following a review of the role of the the National Advisory Committee on Computing Qualifications (NACCQ). The National Advisory Committee on Computing Qualifications was formed in 1988.

CITRENZ provides help and support to member institutions in the development, teaching and quality assurance of courses and programmes, from certificate through degree to postgraduate levels, in the field of Computing and Information Technology. CITRENZ also supports academic staff in several different ways, such as national workshops, research seminars, APL, moderation, the publishing of a journal, and also by organising this annual conference. This conference is an output of the Research and Professional Development Focus Group.

CITRENZ activities and a digital version of these proceedings are available from <http://www.citrenz.ac.nz>

The philosophy of the conference is the encouragement and support of new, emerging and established researchers in a safe environment while encouraging excellence and academic discourse.

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Editors

Dr Samuel Mann: Otago Polytechnic
Dr Michael Verhaart: Eastern Institute of Technology

Theme

The conference contains papers in the following areas under the theme "Broadening the view of IT Education":

- computing education
- computing practice
- computing research

Full papers (Quality Assured)

Full papers are double blind refereed on submission by a review panel and accepted/modified/rejected. An editorial panel reviews final versions. They may be rejected or returned for modification at that point.

In keeping with its supportive mission, the conference uses a system of paper proposals which are reviewed and guidance given to content, tone and structure of papers before they are formally submitted.

Papers in that are "Technical Notes", or "Teaching Practice Descriptions" are editorially reviewed only.

Poster papers

An A1 poster is displayed at the conference along with two pages in the proceedings.

Online

This conference proceedings, along with those since 2000, are available online at <http://www.citrenz.ac.nz/index.php/proceedings-pacit>

